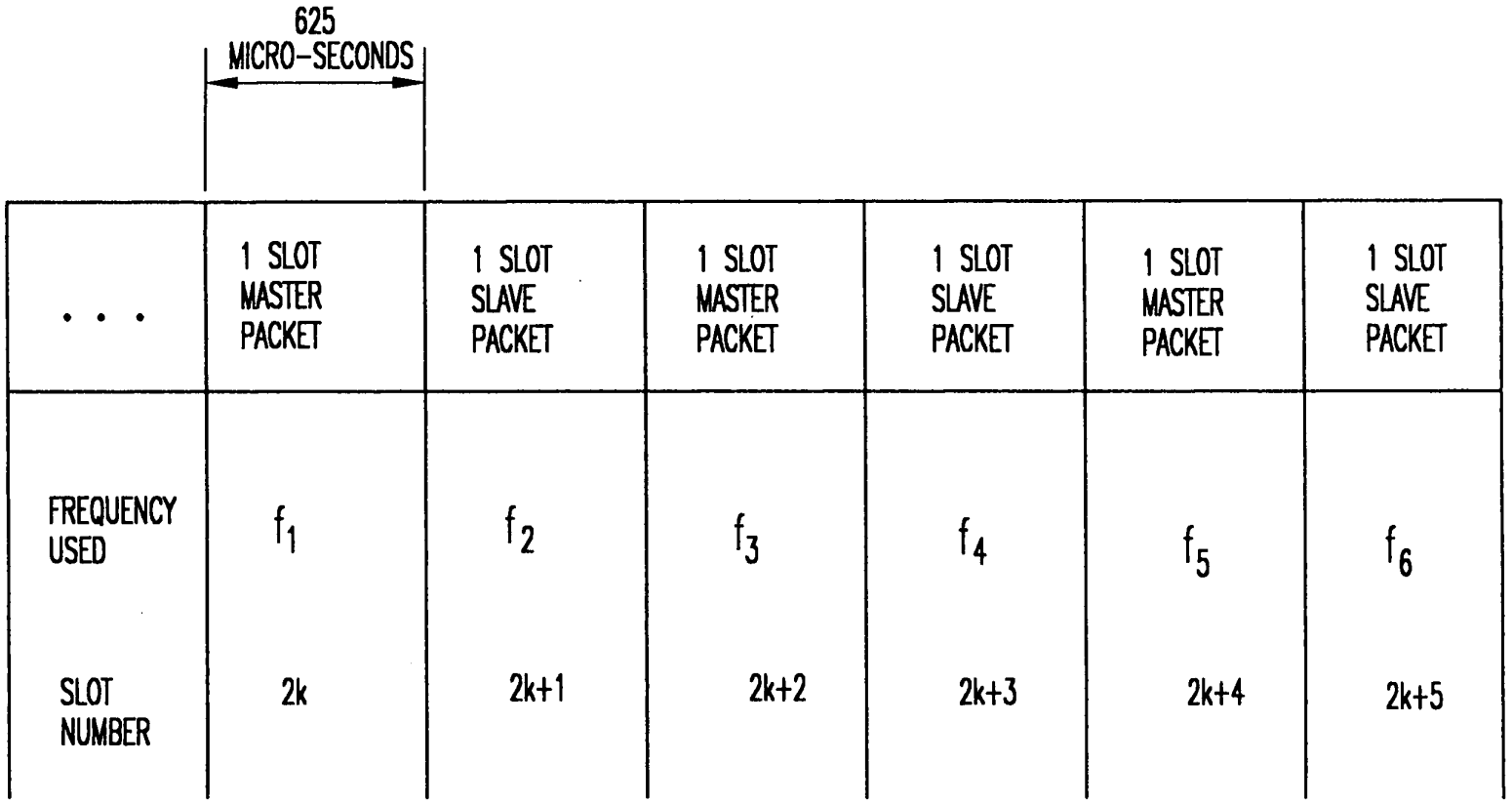
APPROVED
BY
DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

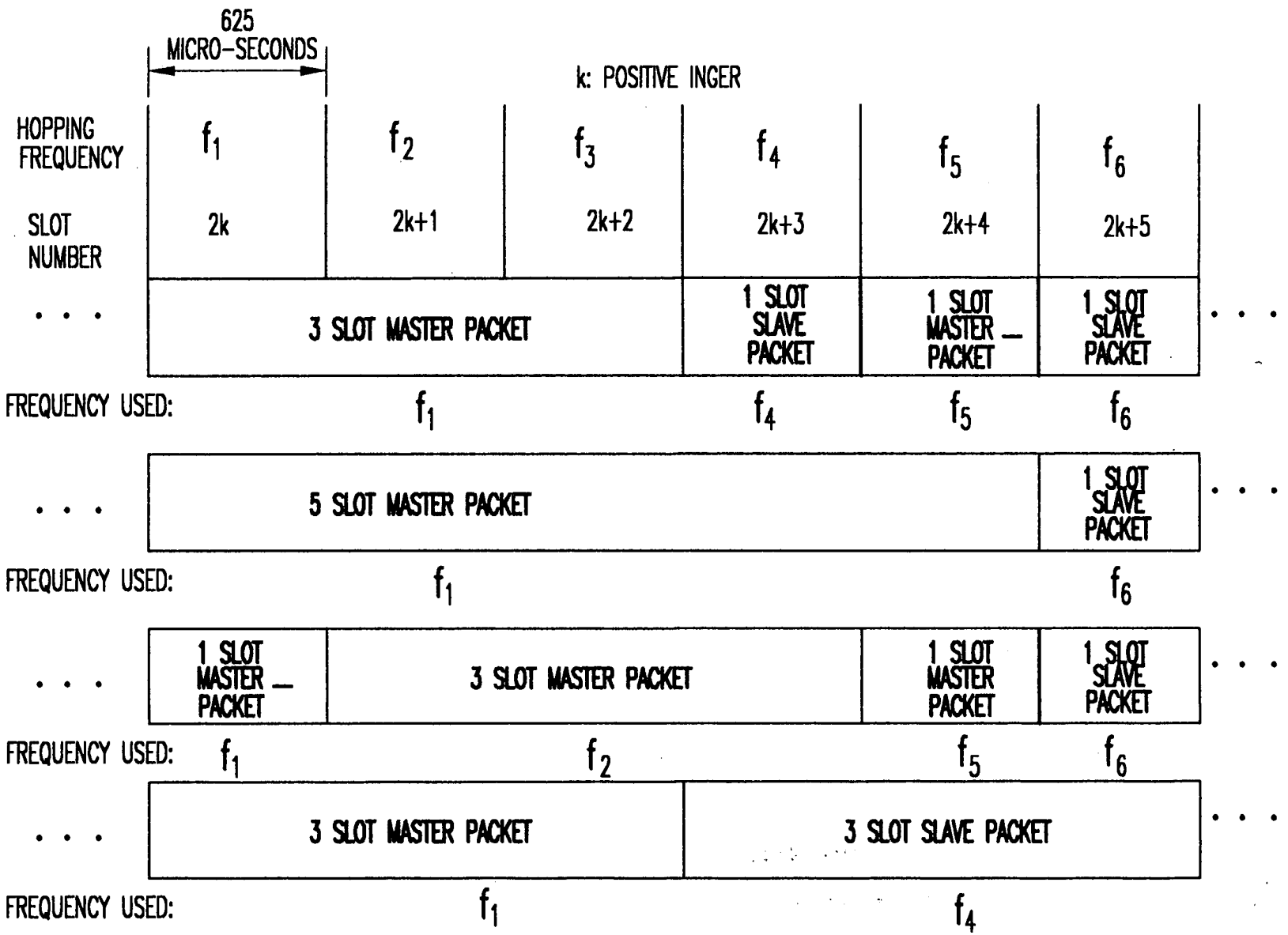


k: POSITIVE INGER

FIG.1

APPROVED
BY
DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG.2



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

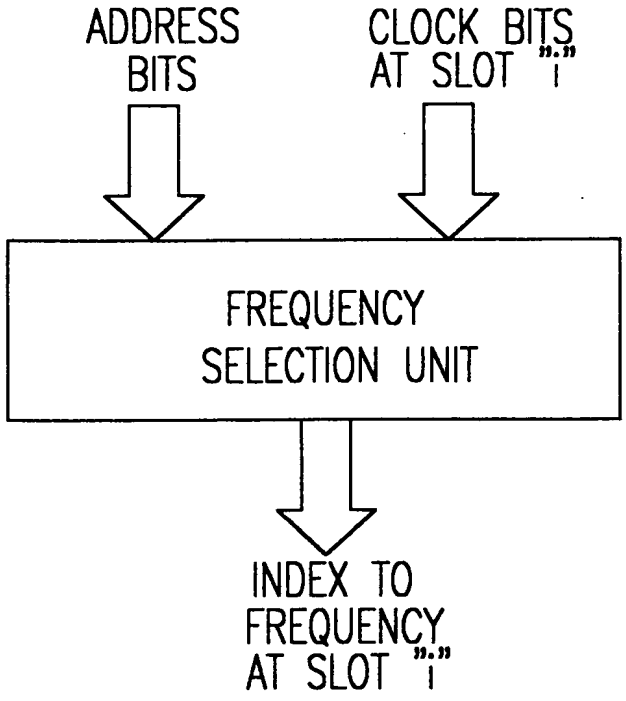


FIG.3

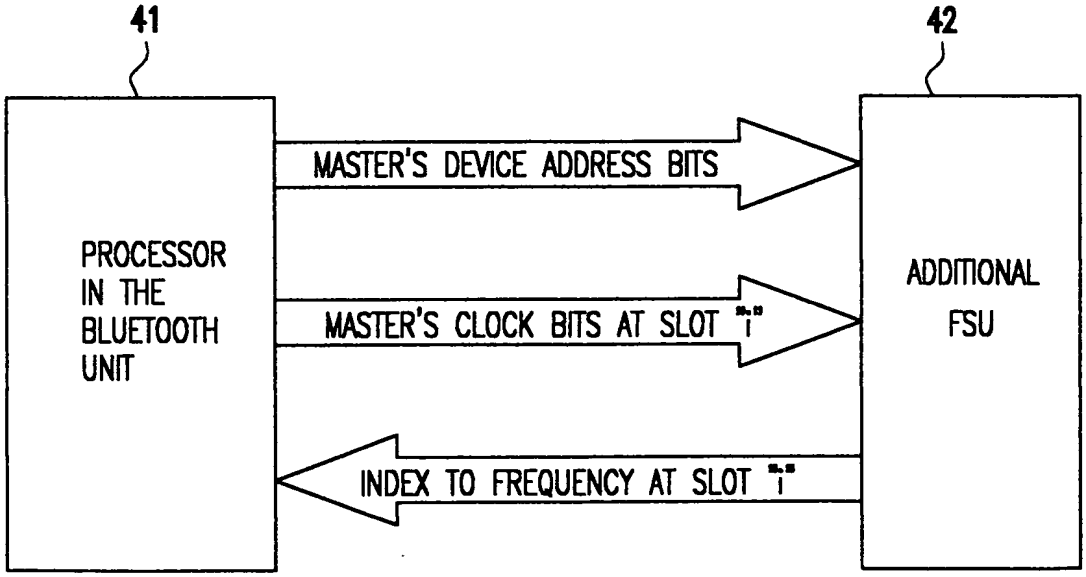


FIG.4

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

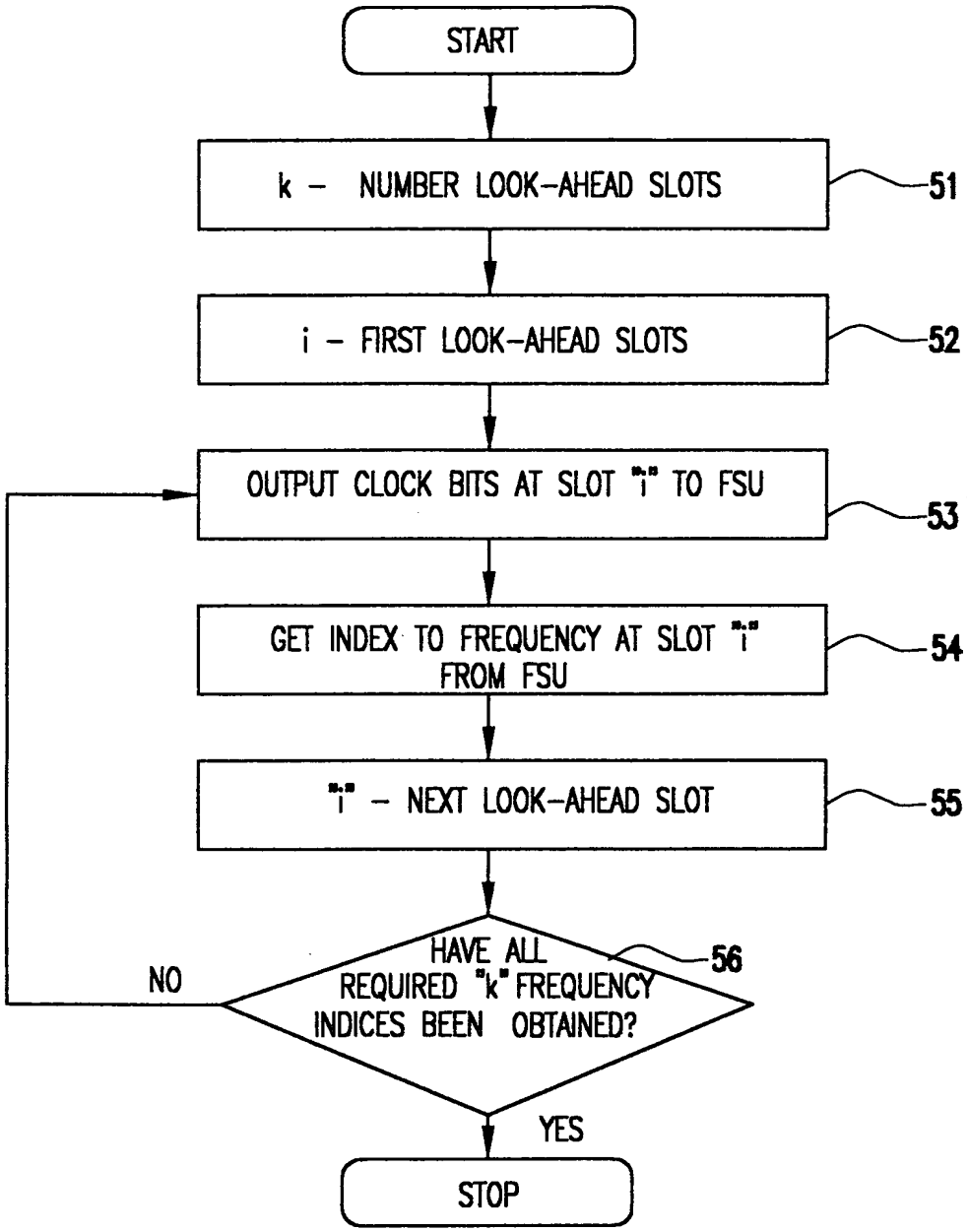


FIG.5

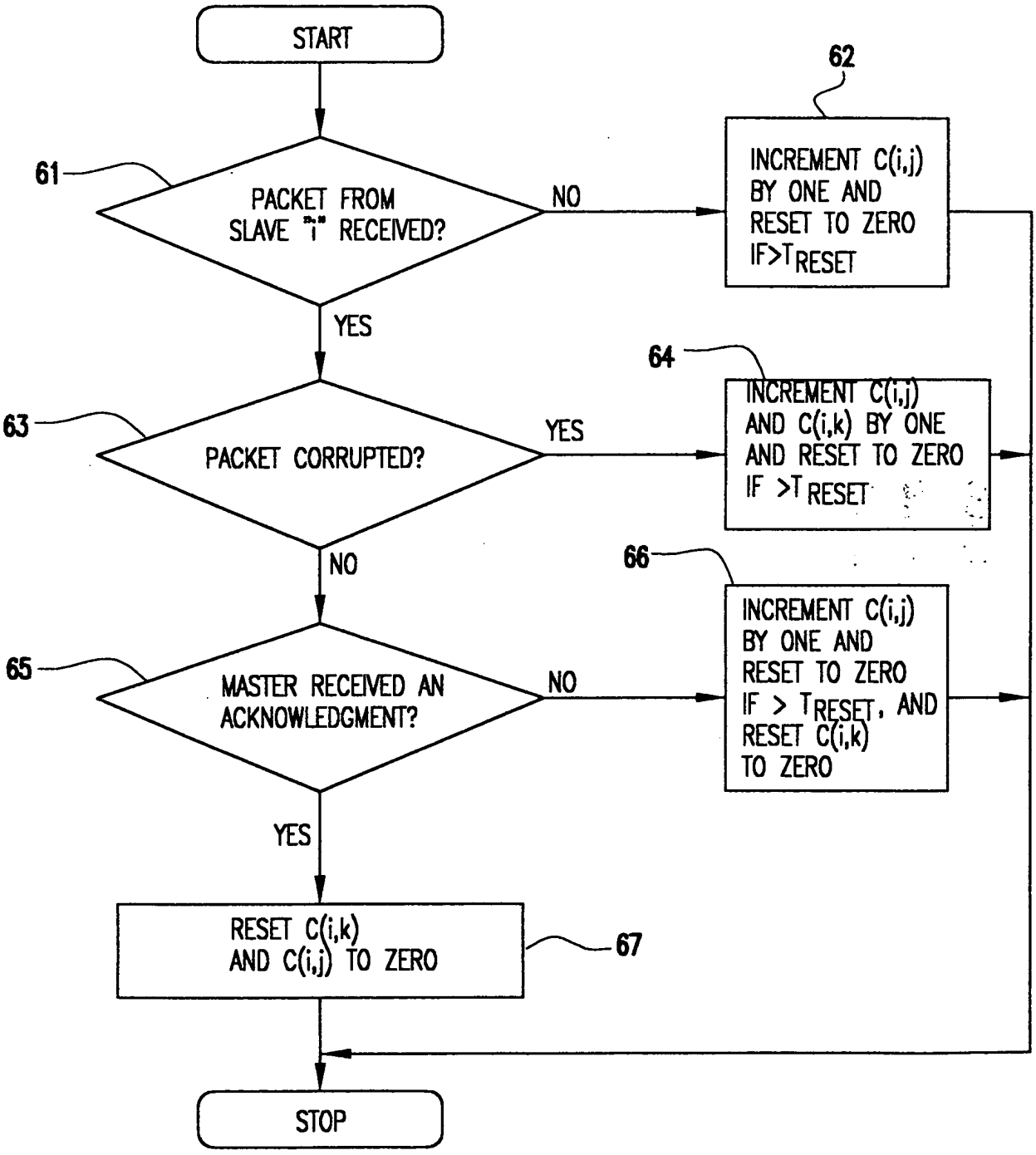

START
61
PACKET FROM SLAVE "i" RECEIVED?
NO
62
INCREMENT C(i,j) BY ONE AND RESET TO ZERO IF>T RESET
YES
63
PACKET CORRUPTED?
YES
64
INCREMENT C(i,j) AND C(i,k) BY ONE AND RESET TO ZERO IF >T RESET
NO
65
MASTER RECEIVED AN ACKNOWLEDGMENT?
NO
66
INCREMENT C(i,j) BY ONE AND RESET TO ZERO IF > T RESET, AND RESET C(i,k) TO ZERO
YES
RESET C(i,k) AND C(i,j) TO ZERO
67
STOP

FIG.6

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

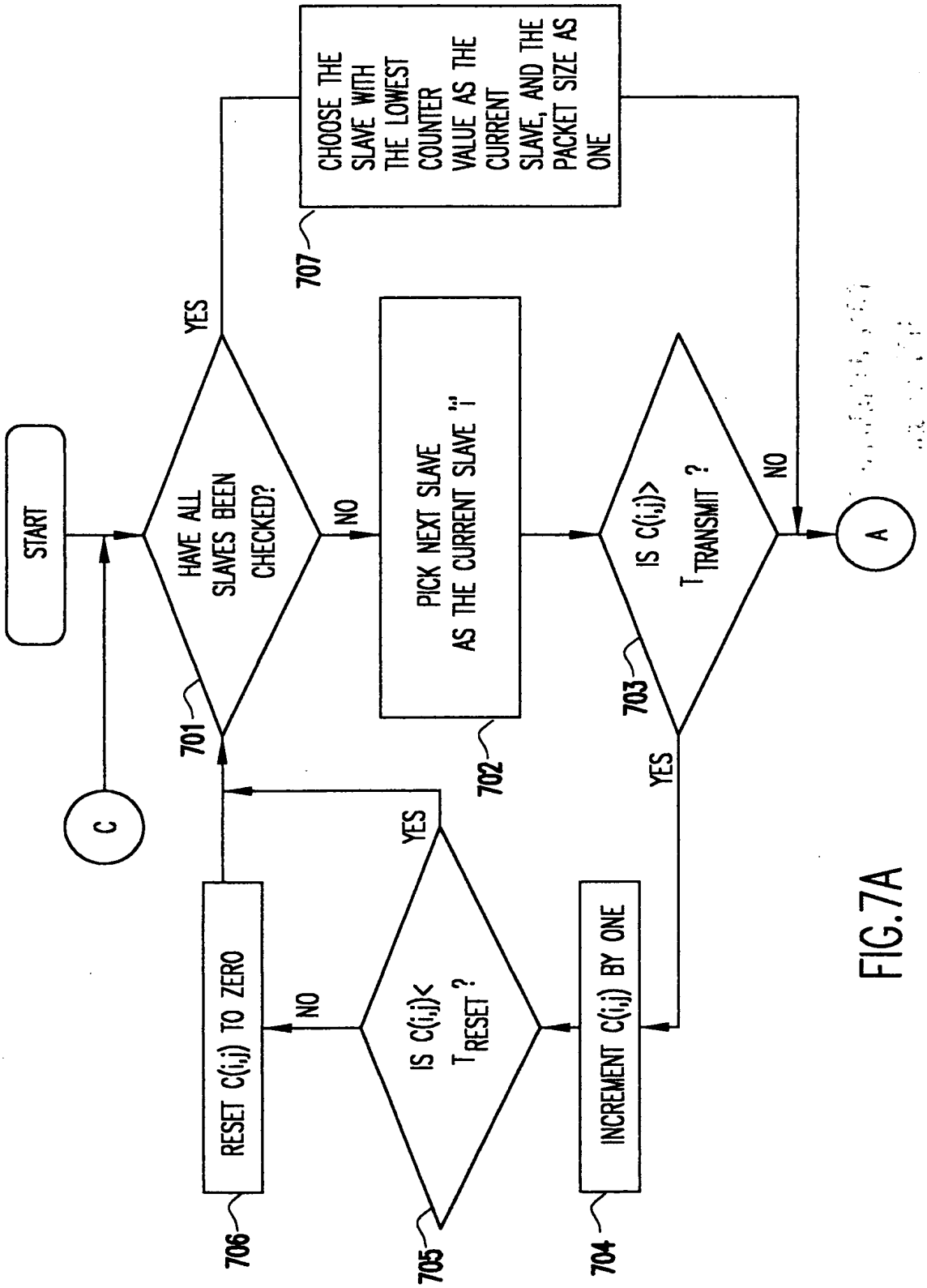


FIG.7A

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

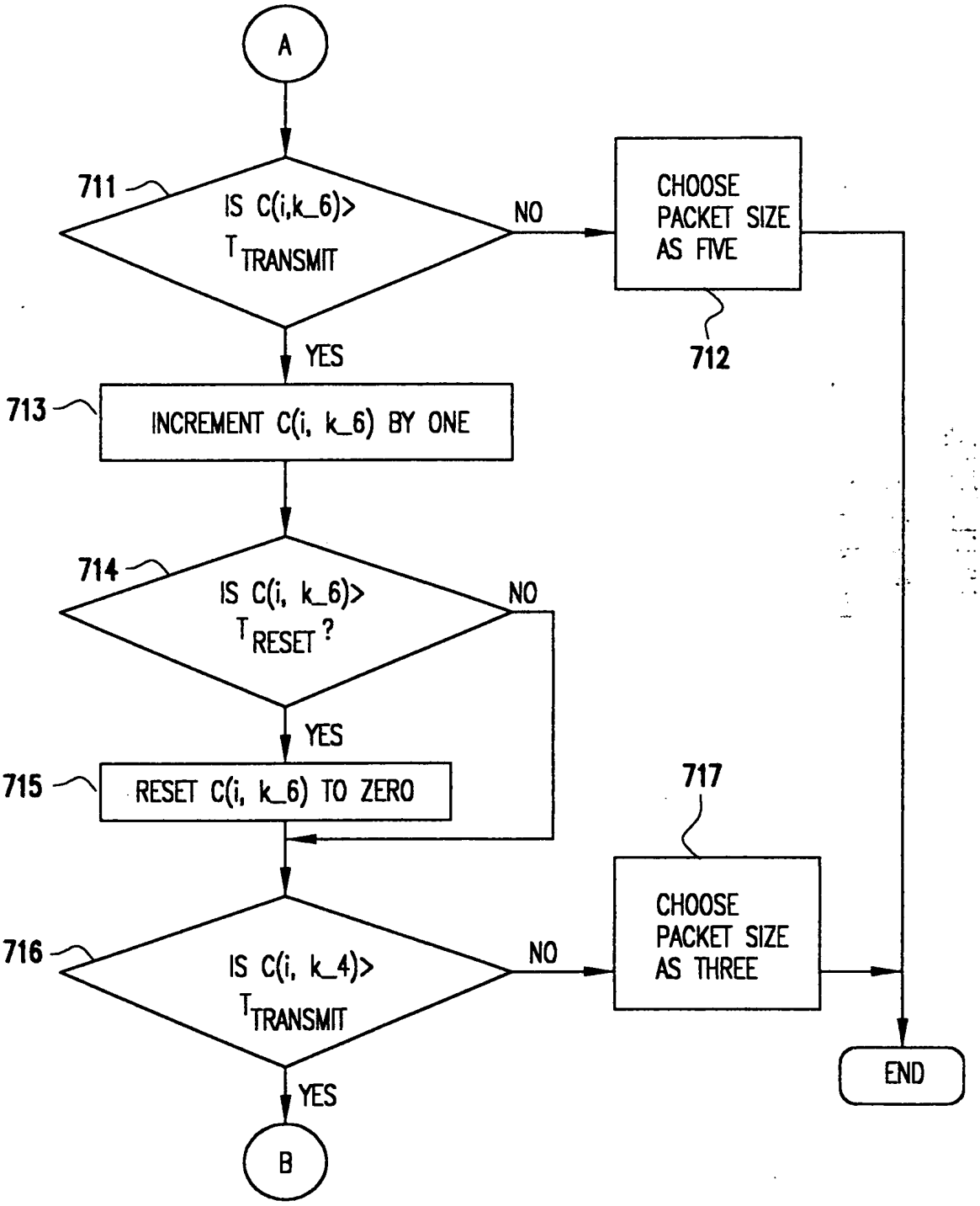


FIG.7B

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS SUBCLASS

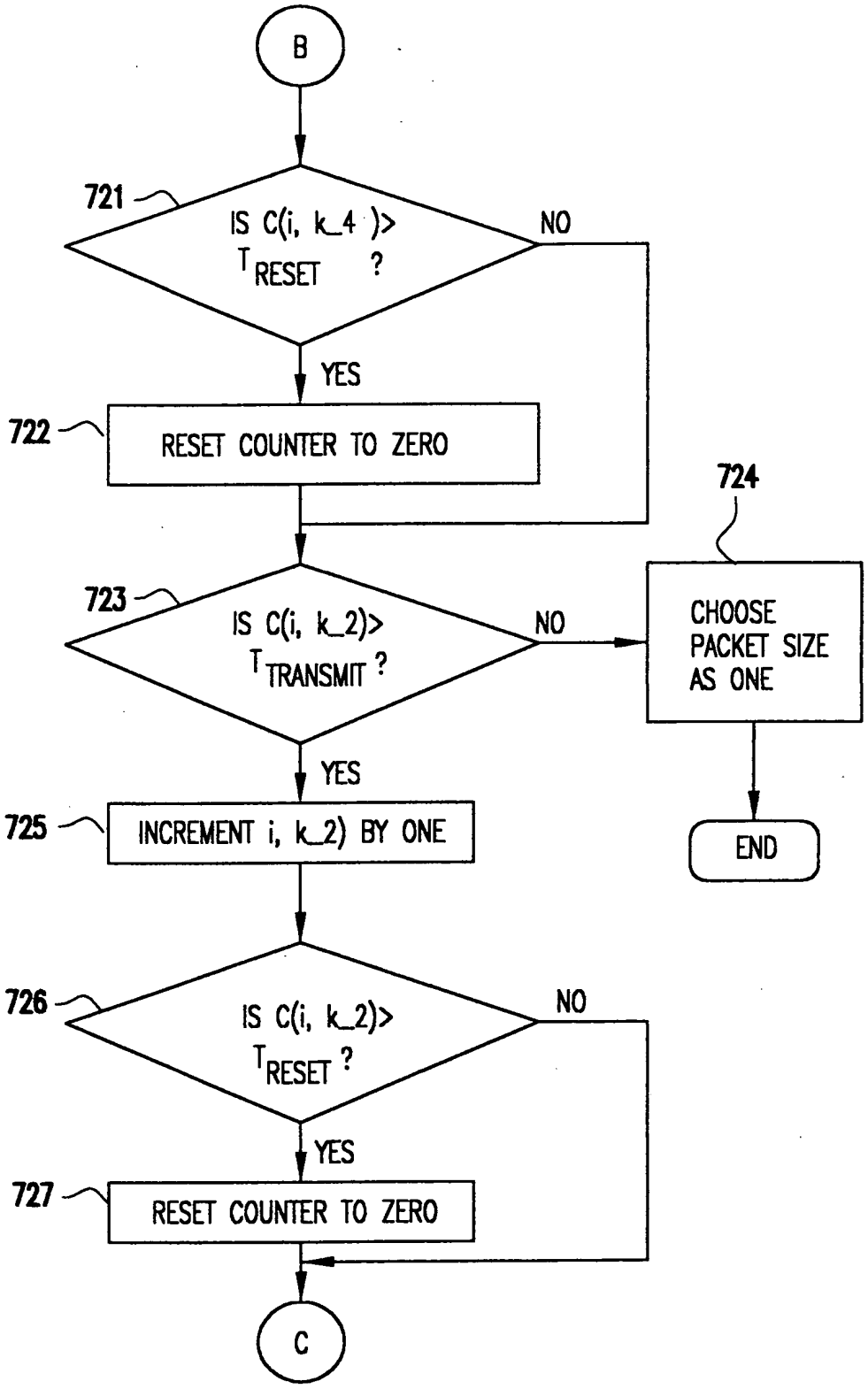


FIG.7C

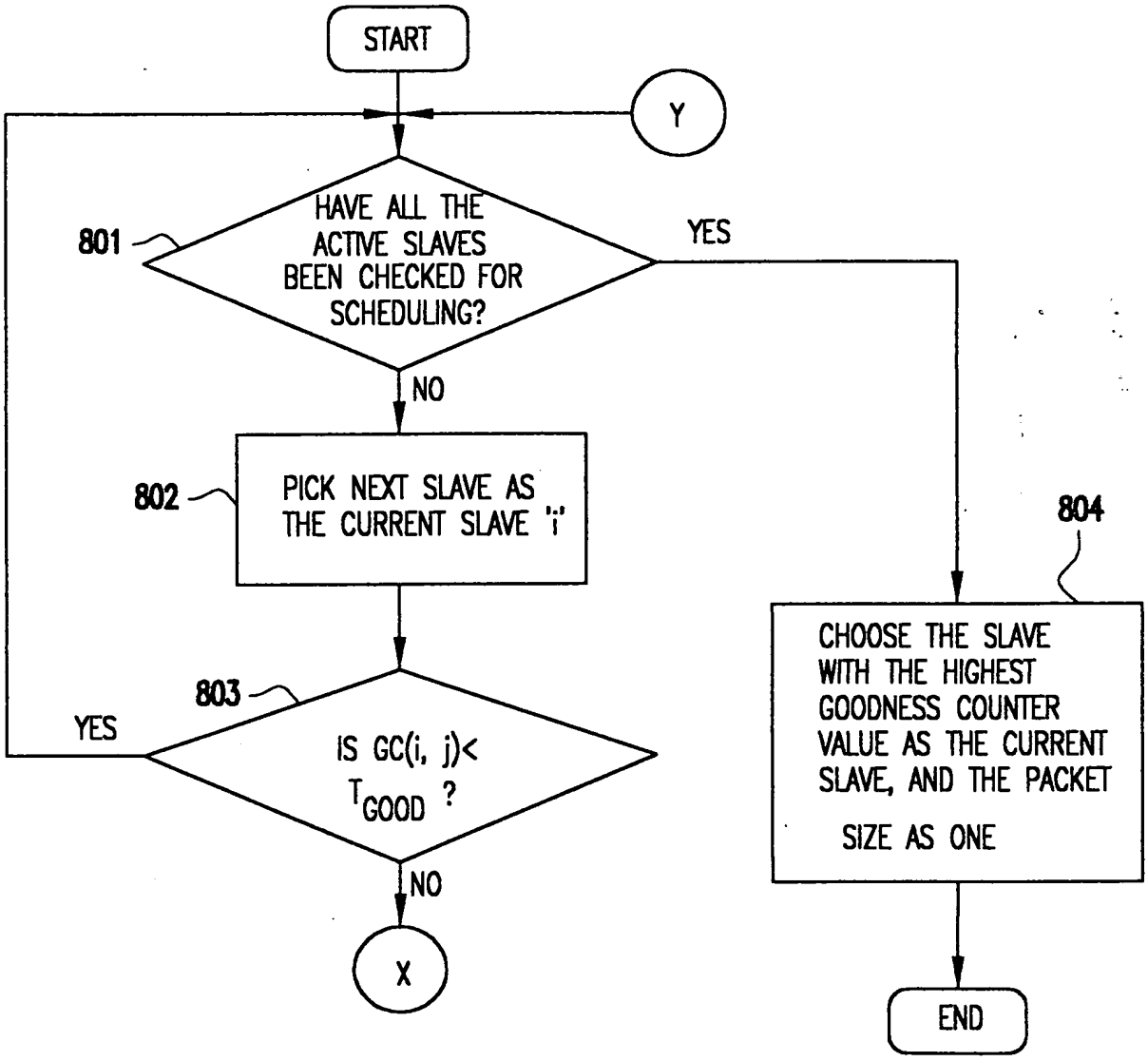

START
Y
801
HAVE ALL THE ACTIVE SLAVES BEEN CHECKED FOR SCHEDULING?
YES
NO
802
PICK NEXT SLAVE AS THE CURRENT SLAVE 'i'
803
YES
IS GC(i, j)< T_{GOOD} ?
NO
X
804
CHOOSE THE SLAVE WITH THE HIGHEST GOODNESS COUNTER VALUE AS THE CURRENT SLAVE, AND THE PACKET SIZE AS ONE
END

FIG.8A

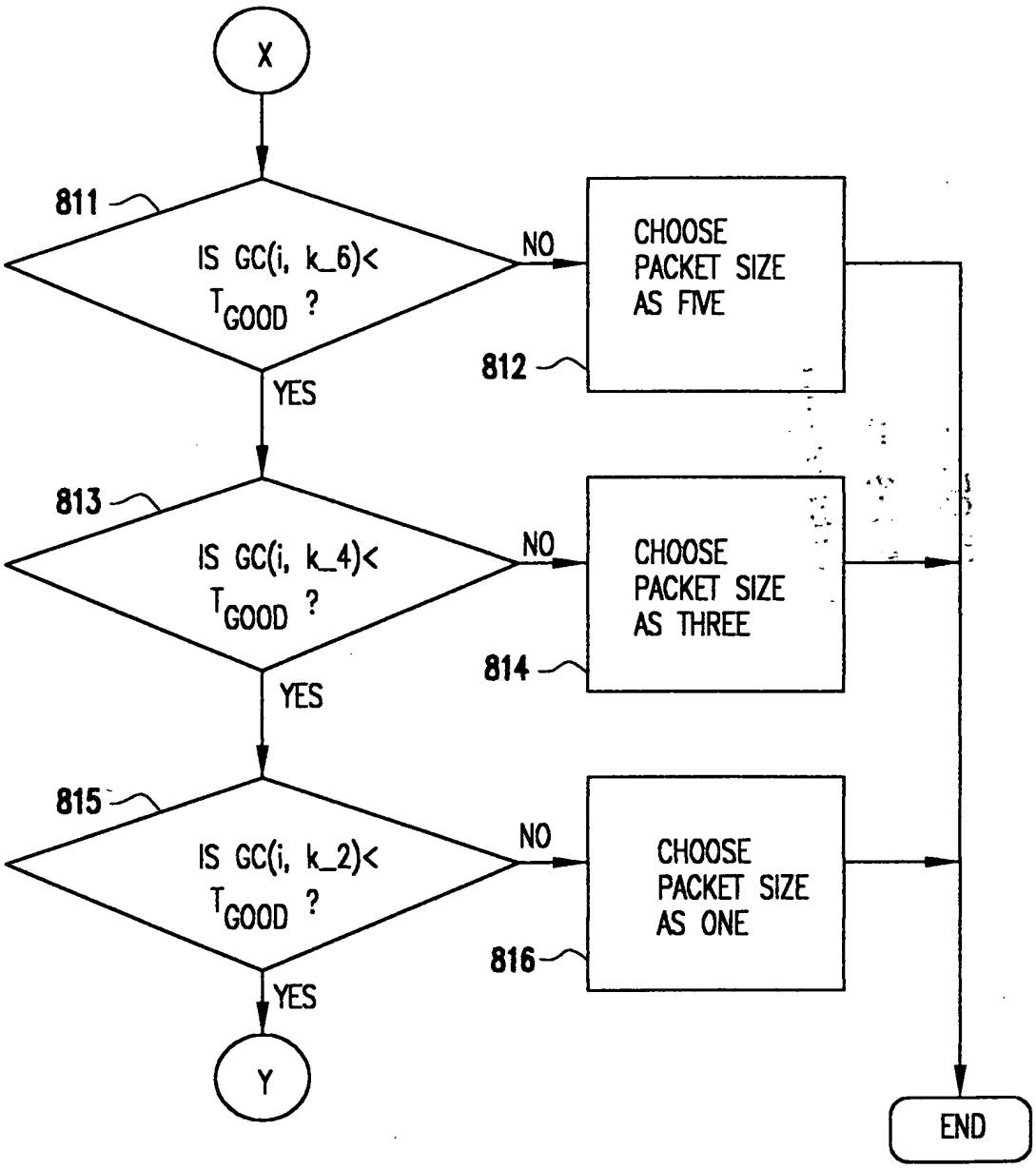

X
811
IS GC(i, k_6)< T_{GOOD} ?
NO
CHOOSE PACKET SIZE AS FIVE
812
YES
813
IS GC(i, k_4)< T_{GOOD} ?
NO
CHOOSE PACKET SIZE AS THREE
814
YES
815
IS GC(i, k_2)< T_{GOOD} ?
NO
CHOOSE PACKET SIZE AS ONE
816
YES
Y
END

FIG.8B

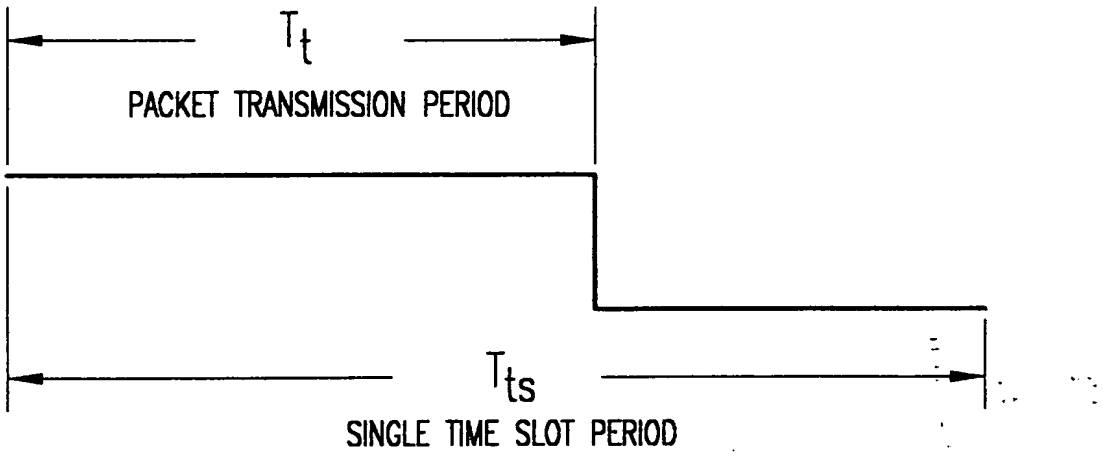

T_t
PACKET TRANSMISSION PERIOD
T_{ts}
SINGLE TIME SLOT PERIOD

FIG.9

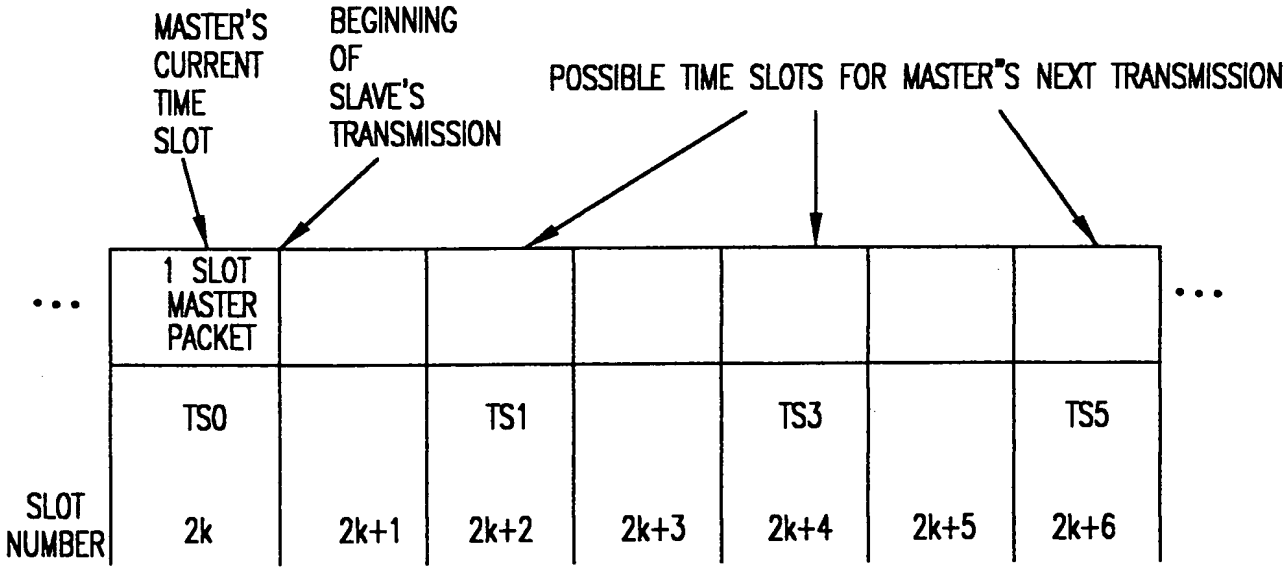

MASTER'S CURRENT TIME SLOT
BEGINNING OF SLAVE'S TRANSMISSION
POSSIBLE TIME SLOTS FOR MASTER'S NEXT TRANSMISSION
1 SLOT MASTER PACKET
TS0
TS1
TS3
TS5
SLOT NUMBER
2k
2k+1
2k+2
2k+3
2k+4
2k+5
2k+6

FIG.10